

May 01, 90 08:02



DEPARTMENT OF THE NAVY  
NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY  
PORT HUENEME, CALIFORNIA 93043-5014

IN REPLY REFER TO:

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Ser 112E/157

08 Feb 1990

From: Commanding Officer, Naval Energy and Environmental Support Activity  
To: Commanding Officer, Northern Division, Naval Facilities Engineering Command

Subj: MILCON PROJECT P-340 NAVAL BRIG, NAVAL TRAINING CENTER, GREAT LAKES

Ref: (a) PHONCON NTC Great Lakes (N53) Mr. R. Ogradowski/NEESA (Code 112E3)  
Ms. S. Van Duyn of 30 May 89  
(b) PHONCON NORTHNAVFACENGCOM (Code 1421) Mr. J. Schafer/NEESA  
(Code 112E3) Ms. S. Van Duyn of 2 Jun 89  
(c) NEESA 21-011, August 1989, First Draft Remedial Investigation (RI)  
Verification Step Report for the Naval Training Center,  
Great Lakes, Illinois

1. As discussed in references (a) and (b), results of the Remedial Investigation (reference (c)) are inconclusive as to the level of contamination at Installation Restoration Program, Site 4, Fire Fighting Training Area. As this is the planned location of subject project, we recommend resiting or postponing project. More conclusive sampling results will be available 3rd or 4th quarter FY91 at the completion of quarterly sampling for one year.
2. As discussed in reference (a), contaminants of concern at Site 4 consist primarily of low to moderate concentrations of volatile and semivolatile petroleum hydrocarbons found in soils in some areas down to five feet, the greatest depth sampled. Other contaminants include polyaromatic hydrocarbons and lead in soil. Surface water in the lagoons was found to contain moderate to high concentrations of oil and grease and semivolatile petroleum hydrocarbons and low levels of lead. Shallow ground water contamination of oil and grease cannot be confirmed at this point and quarterly sampling for one year is recommended. Sediment sampling of the lagoons is recommended in the next step of the RI to determine whether contaminants have migrated.
3. In addition to subject project being located on Site 4, construction limits may extend into the limits of Site 1, Golf Course Landfill. At Site 1, Golf Course Landfill, limited, though unconfirmed, contamination was found in the form of some heavy metals present in ground water and surface water at levels above background as discussed in reference (c). In the next step of the RI, quarterly monitoring for ground water and surface water is recommended for one year. Construction of a brig within the boundaries of Site 4 could result in potential exposures of airborne contaminants to construction workers and possible long term exposure to employees or inmates at the brig.

May 01, 90 08:03

P.03

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4. Our contact is Ms. Sherry Van Duyn, Code 112E3, AUTOVON 551-2634 or commercial (805) 982-2634.

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